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NAME OF THE DEPARTMENT -_MATHEMATICS SYLLABUS BREAK UP TERM 1 2021-22 -AJI Name of the Subject Teacher:- Mrs. Rashi A. Grade.. 3 Topic Break Down / for Periods/Learning objectives / progression Activities (Formative assessment tasks, Critical Critical projects, Visits) INCLUDING VIRTUAL Teaching Aids / Thinking Thinking Competencies an Cross LEARNING Unit/Section Learning Outcomes/ Skills acquired Reference/ MY IDENTITY Art Integration Values urricular lin Objective Subjective Resources **Ouestions** Ouestions a. Model, read and write 4-digit numbers using numerals and words. orm different 4 digit numbers using flash cards ones + 7 ter ine below, 68 is . Identify that the position of a digit gives it its value. a. Ask students to find examples from Laptop, Desktop, English -Mosaic - Create mid way . Demonstrate their understanding of place value to create and read large a. 73 newspapers, magazines, internet, etc., where Problem solving Task sheets, PPT. cludes reading tile mosaic using between 73 and 6 4 - digit numbers and representation. Place and Face Value. Successor and Predecessor numbers (four-digit numbers) mbers up to 1000 are used and to represent Numbers in Arabi h 40 MS Quiz for and writing ndependent Learning rectangular arrays the number in Identify the place value and face value of each digit in a four digit number. these numbers pictorially. c. 37 Assignments of up to 9999. the empty box numbers . Match place value card for each digit of the . Demonstrate understanding of the concepts of odd and even. Reinforce the What number understanding of the concept of odd and even numbers. van numhar semna isiter a. Activity-Students will be asked to make a poste a. To realize the need for sustainable development resources Laptop, Desktop, English -Mosaic - Create a boxes are emonstrate understanding of the concepts of odd and even. on conservation of resources a. 89 Chapter 1 ludes reading tile mosaic using Task sheets, PPT, Problem solving mpletely fille . Reinforce the understanding of the concept of odd and even numbers. Have students create and solve number riddles Even and Odd Numbers, Skip Counting, Compare. lumbers in Arabi b. 49 April Numbers up to MS Quiz for dependent Learning and writing rectangular arrays with fruits - Box Compare numbers using the greater than, less than, and equal symbols. such as "I have written a secret number between c 41 1000 Assignments numbers. of up to 9999. 1 with grapes, Create a statement involving comparing two 4 digit 600 and 800. It is an odd number. What might it d. 39 The picture a. Order given numbers from smallest to largest. Laptop, Desktop, English -Mosaic - Create a Which abacus Project - Find out year of your birth of your all Problem solving Apply knowledge to order whole numbers by Identifying the place value of a digit Task sheets, PPT, nas MORE tha below shows ludes reading tile mosaic using family members, list it down Arrange all the in a whole number. c. Identify MS Quiz for ndependent Learning and writing rectangular arrays 5 beads in ome boys at th numbers in descending order the given Roman Numerals of up to 9999. EVERY row? Assignments numbers, end of a race. Laptop, Desktop. Fnalish . Mosaic - Create a A frog starts lay is writing Project - Find out year of your birth of your all Task sheets, PPT, Problem solving tile mosaic using from Stone 1 numbers from cludes reading Rounding off the numbers a. To roound off the numbers to its nearest tens place. family members, list it down Find the rounded Jumbers in Arabi MS Quiz for dependent Learnir and writing rectangular arrays to 50 on a and goes to the number of the dates. Assignments numbers of up to 9999. other side by number line. Critical thinking given a card with a basic fact number sentence in problems in Laptop, Desktop problem solving, Addition which one of the numbers is missing; written as ing Fact Familie Book 1. In Bool a. Add two or three four digit numbers without a carryover. Task sheets, PPT. decision making. problems with shopping in Alain Mall 6 Addition of 4 - digit numbers, , Addition of three or more numbers. "Who has...?" (e.g., Who has 5 + __ = 11). The - Introduce fact 2. the MS Quiz for 126 b.Add two or three four digit numbers with a carryover logical thinking amilies of addition number of card also has the answer from someone else's Assignments comparing and situations card written as "I have..." Students take turns problems was reasoning NE aue ot'un Critical thinking father is 30 Give the students time to discuss and come up Laptop, Desktop problem solving, Addition Which of the ying Fact Families years and his . Identify properties of addition and apply in solving problem with three examples of each property in their Task sheets, PPT. decision making. problems with following is the 6 Properties of addition, Special Porpertiess of Addition shopping in Alain - Introduce fact son is 10 years notebooks.Call on a few students to share their MS Quiz for logical thinking, Identify the special properties of addition and apply in solving problem Mall amilies of addition Now. After how examples Assignments comparing and situations + 2? many years wil reasoning On Eld. Shar Chapter 2 - Additio Rahul has Critical thinking distributed 3 sweets and problem solving, Laptop, Desktop. Addition The students will estimate the sum of the two ving Fact Familie Situation sum or Sana has 5 blankets costin a. Compare appropriate situations for the use of exact answers and estimate Task sheets PPT decision making aroblems with Estimating Sum, Horizontal Addition rices to see if they have enough money or not to shopping in Alain - Introduce fact AED 1150. MS Quiz for b. Solve the addition sum in horizontal manner logical thinking real life purchase the two items. Mall families of addition could Rabul do AFD 1225 and Assignments comparing and situations AED 1715 to the so that he and reasoning Sana have a children of ar Critical thinking, through the 2573 men. 3107 problem solving, The students will work on problems in pairs as we Lanton Deskton Addition ying Fact Families boxes below omen and189 a. Apply addition of four digit numbers in story problems as on their own .They will then check each other' Task sheets, PPT. decision making. problems with 6 Application in Real Life - Addition Story shopping in Alain - Introduce fact ADDING the children Apply a mental mathematics strategy for adding two 2-digit numerals vork and make sure they came up with the same MS Quiz for logical thinking Mall sited the Al Ai milies of addition points in the answer Assignments comparing and situations nite boxes a Museum. Hov reasoning UBTRACTIN many people in Critical thinking Mystery Drawing story is shown lifference of the problem solving, Laptop, Desktop Subtraction Students try to the pictures two sums: Solve and Check the subtraction by adding the a. Subtract a four digit number from larger four digit number with or without Task sheets, PPT. decision making. problems with complete the sum 6 Subtraction of 4 - digit numbers with and without regrouping. hopping in Alair below Which (354 + 8415)MS Quiz for logical thinking, difference to the smaller number real life sing the clue give and (423 + 703 number Assignments comparing and situations and complete the sentence drawing. reasoning ou have to go Critical thinking. Mystery Drawing Students will work independently to solve through the 2350 sweets t Laptop, Desktop problem solving, Subtraction Students try to a. Subtract three digit numbers across zeros using regrouping. ubtracting across zero problems. Students write Situation sum or boxes below. one class and Task sheets PPT decision making problems with complete the sum Subtracting from zeros, Addition and Subtraction together Subtract from 3 or 4-digit numbers with one or more zeros. word problem with one of the problems that they ADDING the 3354 sweets hopping in Alair MS Quiz for logical thinking real life using the clue give Recognize the operation and solve addition and subtraction together solved. They have another students solve the Mall points in the another class Assignments comparing and situations and complete the If he had 7000 word problem. hite boxes an Chapter 3 reasoning drawing. June SUBTRACTING sweets with hin Critical thinking Mystery Drawing In which pair of a. Students create story problems that include us has 1650 bags Apply properties of operations as strategies to subtract. Laptop, Desktop. problem solving. Subtraction Students try to numbers below of the properties of subtraction h Th Situation sum or of wheat on Assess the use of strategies based on the application of properties and an Task sheets, PPT, decision making, problems with complete the sum is the second 6 Properties of subtraction, Estimating the difference. students will estimate the difference of the two shopping in Alair Sunday, He solo understanding of place value. MS Quiz for logical thinking real life ising the clue give umber 20 LESS rices to see if they have enough money or not to 375 bags on Compare appropriate situations for the use of exact answers and estimates. Assignments comparing and situations and complete the than the first purchase the two items. Monday and 569 drawing. number? Critical thinking lystery Drawing visited the he students will work on problems in pairs as we Lanton Deskton problem solving Subtraction Students try to Which of the ience fair o a. Identify properties of subtraction and apply in solving problem. as on their own .They will then check each other' Task sheets, PPT problems with decision making. complete the sum 6 Application in Real Life - Subtraction Story, Mixed Bag, 2 step story sum. shopping in Alain Mall llowing is equa Saturday in Apply subtraction of four digit numbers in story problems vork and make sure they came up with the same MS Quiz for logical thinking, sing the clue give real life Jahili Park in A to 76? answer. Assignments comparing and situations and complete the Ain. 2817 people drawing. reasoning SUMMER VACATION a school, eac "Once Emerged a. Model how to solve multiplication problems Critical thinking, section has 42 From the Grav of 43 X 21 - Find focusing mainly on repeated addition. Lanton Deskton problem solving students Then

a. Use equal groups and repeated addition to understand the concept of

Multiply a one-digit number by a multiple of ten and hundred.

multiplication

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Factors and Products, Multiplication by 10's, Multiplication by 100's

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Task sheets, PPT,

MS Quiz for

Assignments

decision making,

logical thinking,

comparing and

reasoning

Ask one group to share their answer for each

equation. Ask the students, as they are sharing,

now they found their answer and how they know

	4	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication	6	Multiplying Numbers Close to 10 or 100, Terms in Multiplication, Multiplication of 3 - digit numbers by 1 digit number.	a. Multiply whole numbers of up to three digits by one-digit whole numbers without and with regrouping, using strategies based on place value.	a. Students will work with their Math Partners. Teacher will distribute the multiplication problems for the partners to complete. Each group will be asked to show and explain their work to class.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Application based problems	"Once Emerged From the Gray of Night" – Multiplication Tables, Multiplication properties.	A block of flats has 6 floors with 4 houses in each floor. In all, how many houses are there in the block?	eggs. The shopkeeper told them that he sell eggs in dozens. Sumedha told
September			6	Properties of Multiplication, Multiplication by 2 - digit numbers.	a. Applying the properties of multiplication to simplify and solve multiplication problems. b. Use their understanding of place value and single digit multiplication to begin multiplying two-digit numbers. c. Compute the product of 2 numbers with accuracy.	A. Have students add in parentheses to show the properties of multiplication. Students will work with their elbow partner to solve problems. They must discuss their work. Students are expected to explain their thinking to their partner. Partners will be expected to explain step by step the problem solving process.	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Application based problems	"Once Emerged From the Gray of Night" – Multiplication Tables, Multiplication properties.	A shopkeeper sells eggs in trays of 6 eggs. If I want 30 eggs, how many such trays should I ask for?	A farmer, named Bhuwan, sold 15 bags of grain for AED 500 per bag. Another farmer, named Takia, sold 10 bags of grain for Each box below					
			6	Application in Real Life - Multiplication Sums.	a. Identify properties of multiplication and apply in solving problem. Apply multiplicatio in story problems	The students will work on problems in pairs as well as on their own .They will then check each other's work and make sure they came up with the same answer.	Task sheets, PPT,	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Situation sum on shopping in Alain Mall	Application based problems	"Once Emerged From the Gray of Night" – Multiplication Tables, Multiplication properties.	How much MORE is 4 x 9 than 4 x 8?	Each box below has 10 sweets. How many sweets will be left in the boxes if you ate 5 sweets from ONE of the					
	4	Geometry and	6	6	6	6	Flat Shapes, Lines, Line Segment, Ray	a. To identify circles, squares, rectangles, and triangles. b. To locate examples of circles, squares, rectangles, and triangles in the world around them. c. To compare various types of shapes. d. To identify the type of line. e. To draw and compare the type of line. f. To distinguish between lines	Four Corner Game, Flat shapes, Hands on Experience, Game	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	In UAE generally which type of flat shape can you observe the most? Why do you think so?	its coins. If you stack the carom coins, what	Solf portrait activity	Look at the pictures below. Which of them is an exact triangle?	Which picture is divided into two exactly equal parts by the dotted line?		
	4	Patterns	6	Solid Shapes, Shapes That Roll Or Slide, Patterns With Shapes, Numbers and alpohabets, symmetry, closed and open figures.	a. To identify shapes. b. To build 3D shapes, c. To describe shapes with a partner. d. To classify the 3 D shapes into roll, stack, slide. e. To identify what a pattern is. f.To predict what should come next in pattern. g. To create an shape , numbers and alphabets pattern	A game : https://www.education.com/game/make- your-own-pattern/ , Create a worksheet of pattern of their own	Laptop, Desktop, Task sheets, PPT, MS Quiz for Assignments	Critical thinking, problem solving, decision making, logical thinking, comparing and reasoning	Can you find out any pattern that you see in UAE	Application based problems	Self-portrait activity – fun way to learn symmetry.	What are the next two numbers in the pattern?	The dots in the boxes form a pattern. How many dots will be there in Box 6?					

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